IPTV HD BOX

FISION TV℠

FRONT PANEL

FRONT PANEL FEATURES	
Connections	USB Host
Controls	Power, Menu, OK, <, ^, v, >
Indicators	Power, Link, HD, Record
Color	Black

BACK PANEL

FEATURE	DESCRIPTION
Connections	Network: 10/100 Mbps Ethernet RJ-45 Connector & F-Connector (“To Wall”) w/ HPNA **Audio/Video connectivity:** • Component YPbPr • Composite Video RCA (two connectors) • Sterio L/R Audio RCA type (two sets) • HDMI
Power Input	12 VDC

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Product Specifications on back >

IPTV HD BOX

SPECIFICATION	VALUE
Tuning and Decoding	
Available Video Codecs (subject to middleware and application software support)	• MPEG-2 MP@ML, MP@HL • MPEG-4 Part 10/H.264 MP@L4.1, HP@L4.1 • SMPTE VC-1 AP@L3, MP@HL
Available Audio Codecs (subject to middleware and application software support)	• MPEG-1 Layer 2 (Musicam) • Dolby™ Digital (AC-3), Dolby Digital Plus (E-AC-3) • MPEG-4 AAC, AAC-HE • MP3 • WMA, WM9 Pro
Available Security	• AES, DES, CSA • RSA Support with Private/Public Key • Macrovision™ Copy Protection • HDCP Copy Protection
Memory/Storage	
DRAM	512 MB
Flash	256 MB
Boot Flash	4 MB
Processors	
Powerful 32-bit Host Processor	400 MHz, 1000 DMIPS processor can support a variety of operating systems, advanced middleware platforms, and compelling user applications
Remote Control	
IR Support	RCMM protocol
Power Supply	
Power Supply	External with power cord and plug: AC to 12 VDC
Regulatory	
Regulatory	FCC Part 15, UL Approved
Dimensions	
Product (HxWxD approximate)	1.75 in. x 9.75 in. x 7.8 in. (4.4 cm. x 24.8 cm x 19.8 cm)

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IPTV HD DVR BOX

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FRONT PANEL

FRONT PANEL FEATURES	
Connections	USB Host
Controls	Power, Menu, OK, <, ^, v, >
Indicators	Power, Link, HD, Record
Color	Black

BACK PANEL

FEATURE	DESCRIPTION
Connections	Network: 10/100 Mbps Ethernet RJ-45 Connector & F-Connector (“To Wall”) w/ HPNA (optional) **Audio/Video connectivity:** • Component • Composite Video RCA (two connectors) • Optical S/PDIF • HDMI
Other Connections	**For Future Use:** • eSATA • USB
Power Input	AC power adapter 12 VDC

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Product Specifications on back >

IPTV HD DVR BOX

SPECIFICATION	VALUE
Tuning and Decoding	
Display/Playback Streams	One SD or one HD plus multiple PIPs (subject to middleware and application software supports)
Available Video Codecs (subject to middleware and application software support)	• MPEG-2 MP@ML, MP@HL • MPEG-4 Part 10/H.264 MP@L4.1, HP@L4.1 • SMPTE VC-1 AP@L3, MP@HL
Available Audio Codecs (subject to middleware and application software support)	• MPEG-1 Layer 2 (Musicam) • Dolby™ Digital (AC-3), Dolby Digital Plus (E-AC-3) • MPEG-4 AAC, AAC-HE • MP3 • WMA, WM9 Pro
Available Security	• AES, DES, CSA • RSA Support with Private/Public Key • Macrovision™ Copy Protection • HDCP Copy Protection
Memory/Storage	
DRAM	512 MB
Boot Flash	4 MB
Internal Hard Drive (DVR models only)	500 GB = 80 hrs of HD, 200 hrs of SD
Processors	
Powerful 32-bit Host Processor	400 MHz, 1000 DMIPS processor can support a variety of operating systems, advanced middleware platforms, and compelling user applications
Remote Control	
IR Support	RCMM protocol
Power Supply	
Power Supply	External with power cord and plug: 12 VDC
Regulatory	
Regulatory	FCC Part 15, UL Approved
Dimensions	
Product (HxWxD approximate)	DVR: 2.56 in. x 11.49 in. x 8.125 in. (6.5 cm x 29 cm x 20.5 cm) Non DVR: 1.75in. x 9.75in. x 7.8in. (4.4cm. x 24.8cm x 19.8cm)

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IPTV HD BOX

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FRONT PANEL

FRONT PANEL FEATURES	
Connections	USB Host
Controls	Power, Menu, OK, <, ∧, v, >
Indicators	Power, Link, HD, Record
Color	Black

REAR PANEL

REAR PANEL FEATURES	
Connections	10/100 Mbps Ethernet RJ-45 connector w/HPNA (optional) **Audio/Video connectivity:** • Component • Composite RCA Video • Optical S/PDIF • HDMI
Power Input	AC power adapter 12 VDC

SPECIFICATION	VALUE
Display/Playback Streams	One SD or one HD plus multiple PIPs (subject to middleware and application software supports)
Audio Video Output	• MPEG-4 MP@ML and MP@HL ATSC A/54 Decode up to 1080p30 • 480i, 480p, 720p, 1080i and 1080p30 Scaling Modes • Macrovision Copy Protection Capability v7.1
System Processor / Memory	• Sigma 8652 Core Processor for System and Application Use • 128 MB FLASH Memory • 256 MB SDRAM
Physical Specifications	• 8.2” x 5.5” x 1.5” (20.7 cm x 14 cm x 3.8 cm) • 0.8 lbs (13.5 oz)
Accessories	• Consumer Quick Start Guide • External Power Supply (5.1V/2.3A)

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IPTV HD DVR BOX

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FRONT PANEL

FRONT PANEL FEATURES	
Connections	USB Host
Controls	Power, Menu, OK, <, ∧, v, >
Indicators	Power, Link, HD, Record
Color	Black

REAR PANEL

REAR PANEL FEATURES	
Connections	10/100 Mbps Ethernet RJ-45 connector w/HPNA (optional) **Audio/Video connectivity:** • Component • Composite Video RCA • Optical S/PDIF • HDMI
Power Input	AC power adapter 12 VDC

SPECIFICATION	VALUE
Display/Playback Streams	One SD or one HD plus multiple PIPs (subject to middleware and application software supports)
Audio Video Output	• MPEG-4 MP@ML and MP@HL ATSC A/54 Decode up to 1080p30 • 480i, 480p, 720p, 1080i and 1080p30 Scaling Modes • Macrovision Copy Protection Capability v7.1
System Processor / Memory	• 512 MB SDRAM • 500 GB 2.5” Removable HDD • Optional 512 MB FLASH Memory
RF Interfaces	1 x Channel 3/4 RF Remod
Physical Specifications	• 9.8” x 6.1” x 1.6” (25 cm x 15.5 cm x 4.1 cm) • 1.3 lbs (20.5 oz)
Accessories	• Consumer Quick Start Guide • External Power Supply (12V/1.5A)

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IPTV HD TERABYTE DVR BOX

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FRONT PANEL

FRONT PANEL FEATURES	
Connections	USB Host
Controls	Power, Menu, OK, <, ∧, v, >
Indicators	Power, Link, HD, Record
Color	Black

REAR PANEL

REAR PANEL FEATURES	
Connections	10/100 Mbps Ethernet RJ-45 connector w/HPNA (optional) **Audio/Video connectivity:** • HDMI • Component • Coaxial • L/R RCA Audio • Composite RCA Video • Optical S/PDIF
Power Input	AC power adapter 12 VDC

SPECIFICATION	VALUE
Display/Playback Streams	Record up to 4 unique HD streams simultaneously.
Audio Video Output	• MPEG-4 MP@ML and MP@HL ATSC A/54 Decode up to 1080p30 • 480i, 480p, 720p, 1080i and 1080p30 Scaling Modes • Macrovision Copy Protection Capability v7.1
System Processor / Memory	• 256 MB SDRAM • 1TB 2.5” HDD • Optional 128 MB FLASH Memory
RF Interfaces	1 x Channel 3/4 RF Remod
Physical Specifications	• 9.8” x 6.1” x 1.6” (25 cm x 15.5 cm x 4.1 cm) • 1.3 lbs (20.5 oz)
Accessories	• Consumer Quick Start Guide • External Power Supply (12V/1.5A)

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IPTV HD WIRELESS BOX

FISION TV SM

FRONT PANEL

FRONT PANEL FEATURES	
Connections	USB 2.0 Port
Controls	Power, Menu, Up, Down, Left, Right, OK
Indicators	Power, Wireless, Link, HD, Record
Color	Black
Receiver	IR

REAR PANEL

REAR PANEL FEATURES	
Connections	10/100 Mbps Ethernet Port IEEE 802.11n (4x4 MIMO) Wireless Radio **Audio/Video connectivity:** • HDMI • Component (Y Pb Pr) • Composite RCA Video • L/R Audio • 5.1 Dolby Digital Optical
Power Input	AC power adapter 5.1 VDC

fusion SM HOME

Product Specifications on back >

IPTV HD WIRELESS BOX

SPECIFICATION	VALUE
Display/Playback Streams	One SD or one HD plus multiple PIPs (subject to middleware and application software supports)
Audio Video Output	• MPEG-4 MP@ML and MP@HL ATSC A/54 Decode up to 1080p30 • 480i, 480p, 720p, 1080i and 1080p30 Scaling Modes • Macrovision Copy Protection Capability v7.1
Wireless Characteristics	• IEEE 802.11n • 4x4 MIMO (up to 600Mbps phy rate) • 4 Spatial Streams • Implicit/Explicit Dynamic Digital Beamforming • High-Power Transmit For Maximum Coverage • Low-Density Parity Check (LDPC) • Space Time Block Coding (STBC) • 802.11e (Wireless QoS)
System Processor / Memory	• Sigma 8652 Core Processor For System and Application Use • 128 MB FLASH Memory • 256 MB SDRAM
Physical Specifications	• 9.8” x 6.1” x 1.6” (25 cm x 15.5 cm x 4.1 cm) • 1.3 lbs (20.5 oz)
Accessories	• Consumer Quick Start Guide • External Power Supply (12V/1.5A)

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Fiber Optics by Hotwire

REMOTE CONTROL GUIDE

WATCH TV
Turns On/Off TV and Set Top Box

VIDEO INPUT
Controls video inputs

DVD
Controls DVD

AUDIO
Controls audio equipment

GUIDE
Accesses Guide

DAY -/+
View past or future programs (only in Guide)

BACK
Returns to last screen or main menu

LAST
Returns to last channel

VOL +/-
Adjusts volume control

DVR
Accesses Recorded TV

1-9 KEYPAD
Numeric keypad

SETUP
Sets remote control configuration

STB
Controls Set Top Box

POWER
Powers On/Off individual equipment

ON DEMAND
Accesses On Demand content

MENU
Accesses main menu

ARROW KEYS
Control Picture in Picture/ used for navigation

EXIT
Returns to Live TV

INFO
Provides more information

CH ▲/▼
Changes channel

MUTE
Mutes TV volume

RECORD
Records program

DVR PLAYBACK CONTROLS
Play, Pause, Rewind, Fast Forward, Skipback, FWPlay

#
More options (while on Live TV or Guide)

LIVE TV
Returns to Live TV

For the full User Guide, got to: **www.gethotwired.com/fisionguide**

QUICK TIP

Pushing the # button (#) on your remote control will bring up more options.

When watching Live TV you can:

- Add/Remove current channel from favorites list
- View favorite channels
- Change favorites
- Change the aspect ratio
- Audio language (currently only English is available)

When using the onscreen Guide you can:

- Jump to any day & time
- View channel lineup
- View favorite channels
- Guide settings

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Remote Control Guide
Motorola URC62440

FISION TV℠

WATCH TV 1
Turns On/Off TV and Set Top Box

TV VIDEO 2
Controls TV inputs

TV 3
Controls TV

DVD 4
Controls DVD

MENU 5
Accesses Menu

BACK 6
Return to Last Screen or Main Menu

ARROW KEYS 7
Control Picture in Picture
Used for Navigation

EXIT TO TV 8
Returns to Live TV

VOL +/- 9
Adjusts Volume Control

MUTE 10
Mutes TV Volume

DELETE 11
Erase any Letters Input
in the Search Function

SETUP 12
Sets Remote Control Configuration

AUX CONTROLS 13

STB 14
Controls Set Top Box

DVR PLAYBACK CONTROLS 15
Play, Pause, Replay, Skip, Forward

ON DEMAND 16
Access to On Demand Content

RECORDED TV 17
Access to Digital Video Recorder

INFO 18
Provides More Information

GUIDE 19
Accesses Guide

C BUTTON 20
Accesses Closed Caption

CHANNEL +/- 21
Changes Channel

LAST 22
Returns to Last Channel Watched

1-9 KEYPAD 23
Numeric Keypad

ZOOM PICTURE/ ENTER BUTTON 24
Adjust Picture Size by Zooming
In and Out

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Remote Control for Wireless Set Top Box.

FISION TV℠

1 WATCH TV
Turns On/Off TV and Set Top Box

2 TV INPUT
Controls TV Inputs

3 TV
Controls TV

4 DVD
Controls DVD

5 MENU
Accesses Menu

6 BACK
Returns to Last Screen or Main Menu

7 ARROW KEYS
Control Picture in Picture Used for Navigation

8 EXIT
Returns to Live TV

9 VOL +/-
Adjusts Volume Control

10 MUTE
Mutes TV Volume

11 OPTIONS
More Options (While on Live TV or Guide)

12 SETUP
Sets Remote Control Configuration

13 AUX CONTROLS

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Controls Set Top Box

15 DVR PLAYBACK CONTROLS
Play, Pause, Replay, Skip, Forward

16 ON DEMAND
Accesses On Demand Content

17 DVR
Accesses Digital Video Recorder

18 INFO
Provides More Information

19 GUIDE
Accesses Guide

20 C BUTTON
Accesses Closed Caption

21 CHANNEL +/-
Changes Channel

22 1-9 KEYPAD
Numeric Keypad

23 ZOOM PICTURE / ENTER BUTTON
Adjust Picture Size by Zooming In and Out

24 LIVE TV
Returns to Live TV

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fision® Fiber Optics by Hotwire

Enjoy the Convenience and Flexibility of Hotwire's RF Remote Control

FISION TV℠

Put Your Set Top Box Wherever you Want!

Hotwire's RF Remote uses radio frequency signals to control your set top box instead of an infrared signal. The RF Remote eliminates the need to point the remote directly at your set top box and awards you the freedom to place your box where its best for you. Even behind closed doors!

RF REMOTE SYSTEM JUST

$25.00

RF Adapter (USB)

RF Adapter (Sensor)

Simple Set-up:

Step 1: Remove any stickers from the back of the RF adapter

Step 2: Place the RF adapter on top of the set top box above the IR (infrared) sensor on the front of the box

Step 3: Plug the RF adapter into an open USB slot on the set top box.

Step 4: Make sure the RF adapter is blinking. If it is not, repeat step 2

Step 5: Press and hold both SETUP and the UP arrow button on the remote until the STB mode key, on the top left of the remote, starts blinking

If it worked, the green LED on the RF adapter will stop blinking and stay on.

If didn't work, the remote will blink one long blink and exit pairing mode. Repeat steps 2 to 5. Also check your power connections.

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Not available at all properties. Installation/setup fee may apply. Remote must remain within 150 feet of the set top box to function properly. Must subscribe to a Fision digital cable package. Other restrictions may apply. Fision TV is a service mark of Hotwire Communications, Ltd. Fision is a registered mark of Hotwire Communications, Ltd. © Hotwire Communications, LLC. 2014. All Rights Reserved. 112014